

Appln. No. Serial No. 10/815,493

Amdt. Dated 11/3/05

Second Response in Appln, Reply to Office Action of 8/3/2005

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AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-3. (Cancelled).

4. (Currently amended) A method of producing a plane carbon commutator comprising the steps of:

burning a carbon base at a high temperature, wherein the carbon base has a first side with engaging projections and an opposite second side having engaging projections on a first side and an opposite second side at a high temperature;

forming cut-rising pieces projecting inwardly from peripheral edges of engaging holes formed in a metal base;

after forming the cut-rising pieces, forming peripheral faces of the engaging projections into coarse faces using the cut-rising pieces by inserting the engaging projections into the engaging holes with pressure sufficient to form the coarse faces on the peripheral faces of the engaging projections as the engaging projections are inserted into the engaging holes to integrally form the carbon base and the metal base;

coating the exposed portions of the carbon base with mold resin;

forming slits in the integrally formed carbon base and the metal base coated with mold resin to form cutting the metal base into a plurality of segments and at the same time, cutting the carbon base; and

removing the mold resin from a portion of the second side of the carbon base.